

IN THE CLAIMS**BEST AVAILABLE COPY**

Please amend the claims to read as indicated herein.

- C1
1. (Currently amended) An optical device comprising:
an imaging device for imaging an incident beam onto a focal surface;
a support element having a surface with a shape corresponding to said focal surface, said
surface of said support element being located on said focal surface; and
a flexible sensor array in close contact with said surface of said support element and having
a surface with a shape corresponding to said focal surface.
 2. (Currently amended) The optical device of claim 1, wherein said flexible sensor array
comprises a photosensitive element mounted on a flexible structure.
 3. (Previously amended) The optical device of claim 2, wherein said flexible structure
conforms to said shape of said surface of said support element.
 4. (Previously amended) The optical device of claim 2, wherein said flexible structure is
bonded to said surface of said support element.
 5. (Previously amended) The optical device of claim 2, wherein said flexible structure has a
thickness in a range from 1 micrometer to 0.1 millimeters.
 6. (Original) The optical device of claim 1, wherein said sensor array comprises a
photodiode line.
 7. (Original) The optical device of claim 1, wherein said imaging device comprises a
grating.
 8. (Original) The optical device of claim 1, wherein said focal surface is defined by a
Rowland Circle.

BEST AVAILABLE COPY

9. (Currently amended) An optical device comprising:
an imaging device for imaging an incident beam on a focal surface; and
a flexible sensor array formed to a shape of said focal surface by fixing at least a portion of
said flexible sensor array.

10. (Previously added) The optical device of claim 9, wherein said at least a portion of said
flexible sensor array comprises at least two ends of said flexible sensor array.

C1
11. (Previously added) The optical device of claim 9, wherein said at least a portion of said
flexible sensor array comprises at least two points located on a surface of said flexible sensor
array.

12. (Previously added) The optical device of claim 9, wherein said at least a portion of said
flexible sensor array comprises at least two points located on an edge of said flexible sensor
array.

13. (Currently amended) The optical device of claim 9, wherein said at least a portion of
said flexible sensor array comprises at least two points ~~are~~ located on different edges of said
flexible sensor array.

14. (Previously amended) The optical device of claim 9, further comprising a support
element wherein said at least a portion of said flexible sensor array is fixed to said support
element and said support element forms said flexible sensor array to said shape of said focal
surface.

15. (Previously amended) The optical device of claim 9, wherein said flexible sensor array
comprises a photosensitive element mounted on a flexible structure.

16. (Previously amended) The optical device of claim 15, wherein said flexible structure
has a thickness in a range from 1 micrometer to 0.1 millimeters.

17. (Previously added) The optical device of claim 9, wherein said flexible sensor array comprises a photodiode line.

18. (Previously added) The optical device of claim 9, wherein said imaging device comprises a grating.

19. (Previously added) The optical device of claim 9, wherein said focal surface is defined by a Rowland Circle.

20. (Currently amended) An optical device comprising:
an imaging device for imaging an incident beam onto a focal surface;
a support element having a surface conforming to and being located on said focal surface;
and
a flexible sensor array affixed to said surface of said support element and having a surface
with a shape corresponding to said focal surface.